



We hereby appoint:

Gregory M. Howison	Reg. No. 30,646
Roger N. Chauza	Reg. No. 29,753
Peter J. Thoma	Reg. No. 28,121
Mark W. Handley	Reg. No. 36,821
John J. Arnott	Reg. No. 39,095
Stephen S. Mosher	Reg. No. 33,974
William Gustavson	Reg. No. 29,160

of the firm HOWISON, CHAUZA, THOMA, HANDLEY & ARNOTT, L.L.P., my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and to file and prosecute any international patent applications based thereon in any foreign country or before any international authorities under the Patent Cooperation Treaty.

Send Correspondence To:

HOWISON, CHAUZA, THOMA, HANDLEY  
& ARNOTT, L.L.P.  
P.O. Box 741715  
Dallas, Texas 75374-1715

Direct Telephone Calls To:

Gregory M. Howison  
at (972) 479-0462  
Atty. Docket No. CYGL-25,768

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of the First Joint Inventor: **Donald E. Alfano**

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence (City, State): **Round Rock, Austin**

Citizenship: **U.S.A.**

Post Office Address: **11 Meandering Way, Round Rock, Texas 78664**

Inventor's Signature:

Date:

**Citizenship: U.S.A.**

**Post Office Address: 7328 Cave Hollow Drive, Austin, Texas 78750**

Inventor's Signature:

Date:

Citizenship: U.S.A.

**Post Office Address: 14410 Red Oak Cove, Austin, Texas**

Inventor's Signature:

Date:

**Citizenship: U.S.A.**

**Post Office Address: 9800 Fallon Cove, Austin, Texas**

Inventor's Signature:

Date:

Citizenship: U.S.A.

Post Office Address: **9216 Spicebrush Drive, Austin, Texas**

Inventor's Signature:

Date:

Residence (City, State): \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature:

Date:

Residence (City, State): \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence (City, State): \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of the Ninth Joint Inventor: **Douglas R. Holberg**

Inventor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence (City, State): **Wimberley, Texas**

Citizenship: U.S.A.

**Post Office Address: 820 Camino de Rancho, Wimberley, Texas**

**STATEMENT CLAIMING SMALL ENTITY STATUS --  
SMALL BUSINESS CONCERN**

I hereby declare that I am an official of the small business concern identified below and am empowered to act on behalf of the concern:

Cygnal Integrated Products, Inc.  
4301 Westbank Drive, Suite B-100, Austin, Texas 78746

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 37 C.F.R. § 1.9 (d), for purposes of paying reduced fees, in that (1) the number of employees of the concern including those of its affiliates, does not exceed 500 persons, and (2) the concern has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the below-identified invention to any person who could not be classified as an independent inventor if the person had made the invention, or to any concern which would not qualify as a small business concern or as a nonprofit organization. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that exclusive rights to the invention have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled  
**FIELD PROGRAMMABLE MIXED-SIGNAL INTEGRATED CIRCUIT**

and for which application for Letters Patent of the United States is to be filed of even date herewith by inventor(s), Donald E. Alfano, Danny J. Allred, Douglas S. Piasecki, Kenneth W. Fernald, Ka Y. Leung, Brian Caloway, Alvin Storvik, Paul Highley and Douglas R. Holberg.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small business entity is no longer appropriate. (37 C.F.R. § 1.29 (b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of the application or any patent issuing thereon.

Cygnal Integrated Products, Inc.

By: \_\_\_\_\_  
Douglas R. Holberg

Its: V.P. Engineering, Chief Technical Officer

Date: \_\_\_\_\_

ASSIGNMENT

WHEREAS, we, Donald E. Alfano, citizen of U.S.A., resident of Round Rock, Texas; Danny J. Allred, citizen of U.S.A., resident of Austin, Texas; Douglas S. Piasecki, citizen of U.S.A., resident of Austin, Texas; Kenneth W. Fernald, citizen of U.S.A., resident of Austin, Texas; Ka Y. Leung, citizen of U.S.A., resident of Austin, Texas; Brian Caloway, citizen of \_\_\_\_\_, resident of \_\_\_\_\_; Alvin Storvik, citizen of \_\_\_\_\_, resident of \_\_\_\_\_; Paul Highley, citizen of \_\_\_\_\_, resident of \_\_\_\_\_; and Douglas R. Holberg, citizen of U.S.A., resident of Wimberley, Texas, have invented certain new and useful improvements in "FIELD PROGRAMMABLE MIXED-SIGNAL INTEGRATED CIRCUIT" for which we are about to make application for United States Letters Patent; and

WHEREAS, Cygnal Integrated Products, Inc., a corporation of the State of Delaware, which has a business address of 4301 Westbank Drive, Suite B-100, Austin, Texas 78746, (hereinafter referred to as "Assignee"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interests are concerned, to said Assignee of our entire right, title and interest.

We also hereby sell and assign to said Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said Assignee, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements, and, at the expense of said Assignee, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said Assignee and to aid said Assignee, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Name of First Joint Inventor: **Donald E. Alfano**

Residence (City, County, State): **Round Rock, Williamson County, Texas**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date Application Executed: \_\_\_\_\_

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ § ss:

BEFORE ME, a Notary Public, on this \_\_\_\_ day of \_\_\_\_\_, 2001, personally appeared Donald E. Alfano, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D., 2001.

\_\_\_\_\_  
Notary Public

Commission Expires:  
\_\_\_\_\_



Date Application Executed: \_\_\_\_\_

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ § ss:

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D.,  
2001.

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Notary Public

Commission Expires: \_\_\_\_\_

Name of Third Joint Inventor: **Douglas S. Piasecki**

Residence (City, County, State): **Austin, Travis County, Texas**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date Application Executed: \_\_\_\_\_

STATE OF §

COUNTY OF § ss:

BEFORE ME, a Notary Public, on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, personally appeared Douglas S. Piasecki, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D., 2001.

\_\_\_\_\_  
Notary Public

Commission Expires:  
\_\_\_\_\_

Name of Fourth Joint Inventor: **Kenneth W. Fernald**

Residence (City, County, State): **Austin, Williamson County, Texas**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date Application Executed: \_\_\_\_\_

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ § ss:

BEFORE ME, a Notary Public, on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, personally appeared Kenneth W. Fernald, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D., 2001.

\_\_\_\_\_  
Notary Public

Commission Expires:  
\_\_\_\_\_

Name of Fourth Joint Inventor: **Ka Y. Leung**

Residence (City, County, State): **Austin, Travis County, Texas**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date Application Executed: \_\_\_\_\_

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ § ss:

BEFORE ME, a Notary Public, on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, personally appeared Ka Y. Leung, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D., 2001.

\_\_\_\_\_  
Notary Public

Commission Expires:  
\_\_\_\_\_

106750-651566

Name of Fourth Joint Inventor: **Brian Caloway**

Residence (City, County, State): \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date Application Executed: \_\_\_\_\_

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ § ss:

BEFORE ME, a Notary Public, on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, personally appeared Brian Caloway, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D., 2001.

\_\_\_\_\_  
Notary Public

Commission Expires:  
\_\_\_\_\_

2001-01-01 10:00:00

Name of Fourth Joint Inventor: **Alvin Storvik**

Residence (City, County, State): \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date Application Executed: \_\_\_\_\_

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ § ss:

BEFORE ME, a Notary Public, on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, personally appeared Alvin Storvik, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D., 2001.

\_\_\_\_\_  
Notary Public

Commission Expires:  
\_\_\_\_\_

2001-05-01 10:00:00

Name of Fourth Joint Inventor: **Paul Highley**

Residence (City, County, State): \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Date Application Executed: \_\_\_\_\_

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ § ss:

BEFORE ME, a Notary Public, on this \_\_\_\_\_ day of \_\_\_\_\_, 2001, personally appeared Paul Highley, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D., 2001.

\_\_\_\_\_  
Notary Public

Commission Expires:  
\_\_\_\_\_

1001-05-01-001

Date Application Executed: \_\_\_\_\_

COUNTY OF \_\_\_\_\_ § ss:

GIVEN UNDER MY HAND AND SEAL of office this \_\_\_\_ day of \_\_\_\_\_ A.D.,  
2001.

Commission Expires: \_\_\_\_\_